

From the INTERNATIONAL SEARCHING AUTHORITY

To: CHARLES R. BRAINARD KENYON & KENYON 1500 K STREET, N.W., SUITE 700 WASHINGTON, D.C. 20005	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)				
	(day/month/year) 12 APR 2000				
Applicant's or agent's file reference 09425/468762	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No.	International filing date				
PCT/US99/19836	(day/month/year) 30 AUGUST 1999				
Applicant BOGOCH, SAMUEL					
1. X The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerfand Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. 3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further setion(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant whiste to avoid or postopen publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postopone the entry into the national phase until 30					
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Pacsimile No. (703) 305-3230	Authorized officer / Facurence for Telephone No. (703) 308-0196				



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 09425/468762	FOR FURTHER ACTION See Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/US99/19836	30 AUGUST 1999	04 SEPTEMBER 1998		
Applicant BOGOCH, SAMUEL		2		
according to Article 18. A copy is bear. This international search report consis	en prepared by this International Searching Ang transmitted to the International Bureau. Is of a total of ooppoor of each prior art document cited in this	· · · · · ·		
X It is also accompanied by a				
language in which it was filed the international search wa	the international search was carried out on the t i, unless otherwise indicated under this item. is carried out on the basis of a translation of and/or amino acid sequence disclosed in the of the sequence listing:			
	nal application in written form.			
filed together with the inte	rnational application in computer readable fo	rm.		
	this Authority in written form.			
furnished subsequently to	this Authority in computer readable form.	*		
	equently furnished written sequence listing do s filed has been furnished. nation recorded in computer readable form is in			
2. X Certain claims were fou	nd unsearchable (See Box I).			
3. Unity of invention is lac	king (See Box II).			
4. With regard to the title,				
x the text is approved as su	bmitted by the applicant.			
the text has been establish	ned by this Authority to read as follows:			
5. With regard to the abstract,				
the text is approved as su	abmitted by the applicant.			
the text has been establis Box III. The applicant me search report, submit con	hed, according to Rule 38.2(b), by this Author ay, within one month from the date of mailing mments to this Authority.	ority as it appears in of this international		
6. The figure of the drawings to b	e published with the abstract is Figure No	_		
as suggested by the appl		X None of the figures.		
because the applicant fai	led to suggest a figure.			
because this figure bette	r characterizes the invention.			

Form PCT/ISA/210 (first sheet) (July 1998)*



nernational application No. PCT/US99/19836

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
 Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
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 X Claims Nos.: 2-5, 9-13, 15-20, 23-30 Example 12 Claims Nos.: 2-5, 9-13, 15-20, 23-30 Example 23 Claims Nos.: 2-5, 9-13, 15-20, 23-30 Example 24 Claims Nos.: 2-5, 9-13, 15-20, 23-30 Example 25 Claims Nos.: 2-5, 9-13, 15-20 Example 25 Claims Nos.:
All of the recited claims rely on a Sequence. However, the application fails to comply to the sequence requirements.
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
 As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
 As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
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4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

international application No.

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet) The invention relates to peptide constituents of aglyco 10B which are immunogenic epitopes responsible for the recognition of antigens by the body's immune system.

International application No. PCT/US99/19836

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :A61K 38/16; CO7K 14/00, 16/18, 16/30						
US CL: Please See Extra Sheet. According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)						
1						
Documental	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
NONE		1				
Electronic o	data base consulted during the international search (na	ame of data base and, where practicable	e, search terms used)			
MEDLIN	E, CAPLUS, TOXLIT, SCISEARCH. vcoconjugate, aglyco 10b, aglycoprotein 10b, neuram					
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
х	US 5,280,113 A (RADEMACHER et document, especially col 29, lines 39-5	1				
х	US 5, 679,352 A (CHONG et al) 2 document.	1				
Y	Database Medline on STN, National Lit MD, USA), No. 99097253, KEPPLER acyl side chain of sialic acid in MDCk virus infection, abstract, Biochemica Communications, 18 December 1998, V	6-8				
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X Furt	her documents are listed in the continuation of Box C	. See patent family annex.				
'A' do	secial categories of cited documents: soument defining the general state of the art which is not considered be of particular relevance	"T" later document published after the int date and not in conflict with the app the principle or theory underlying th "X" document of particular relevance: th	lication but cited to understand e invention			
'L' de	e claimed invention cannot be ared to involve an inventive step					
•O• de	se claimed invention cannot be a step when the document is the documents, such combination the art					
'P' do	means being obvious to a person skilled in the art document published prior to the international filling date but later than '&' document member of the same patent family the priority date classical					
Date of the	actual completion of the international search	Date of mailing of the international se	earch report			
10 MAR	10 MARCH 2000 12 APR 2000					
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCI Washington, D.C. 20231 AVISIT GUPTA AVIST GUPTA AVISIT GUPTA AVIS GUPTA						
	No. (703) 305-3230	Telephone No. (703) 308-0196				

International application No.
PCT/US99/19836

Category*	Citation of document, with indication, where appropriate, of the relevant passages				ages	Relevant to claim No			
	Database Medline on STN, US National Library of Medicine, (Bethesda, MD, USA), No. 89028479, BOGOCH et al. 'In vitro priduction of the general transformation antibody related to survival in human cancer patients: antimalignin antibody,' abstract, cancer Detection and Prevention, 1988, Vol. 12, Nos. 1-6, pages 313-320, see abstract,						14		
	Database Medline on STN, US National Library of Medicine, (Bethesda, MD, USA), No. 79094183, KORNBLITH et al. 'Growth-inhibitory effects of diphenylhydantoin on human brain tumor cells in culture,' abstract, March-April 1978, Vol. 2, No. 2, pages 122-127, see abstract.					21-22			
,	SEAL et al. Haptoglobin Vol. 12, No.	in Schizop	phrenia. C	linical Ch	emistry. O	ctober 1		31	
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international application No. PCT/US99/19836

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A. CLASSIFIC US CL :	CATION OF SUBJECT MATTER:			i
424/130.1, 14	1.1, 155.1, 184.1; 436/87, 512, 54	7, 548; 514/2, 8; 530/3	22, 350, 395	
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Form PCT/ISA/210 (extra sheet) (July 1998)*

NOTES TO FORM PCT/ISA/220 (continued)

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers: claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims): "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

The statement should be brief, it should not exceed 500 words if in English or if translated into English.

It should not be confounded with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It should not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

In what language?

The amendments must be made in the language in which the international application is published. The letter and any statement accompanying the amendments must be in the same language as the international application if that language is English or French; otherwise, it must be in English or French, at the choice of the applicant.

Consequence if a demand for international preliminary examination has already been filed?

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase?

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the and apparatus a national in the two doc two last, where upon entry into the national phase, a criminaton of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.